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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/813,483	03/29/2004	Jun Liu	P2026R1	5594	
9157	7590 08/08/2005		EXAM	EXAMINER	
GENENTECH, INC.			KIM, YUNSOO		
	FRANCISCO, CA 94080	0	ART UNIT	PAPER NUMBER	
	,		1644		
			DATE MAN ED 00/00/000		

DATE MAILED: 08/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
	10/813,483	LIU ET AL.				
Office Action Summary	Examiner	Art Unit				
	Yunsoo Kim	1644				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1)⊠ Responsive to communication(s) filed on 23 Ju	une 2005.					
<i>'</i>	, _					
closed in accordance with the practice under E	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) ☐ Claim(s) 1-17,20 and 22-27 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-17,20,22-27 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 6/22/05.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:					

Application/Control Number: 10/813,483

Art Unit: 1644

DETAILED ACTION

Page 2

1. Applicants' Remark, filed on 6/22/05 is acknowledged. Claims 1-17, 20, 22-27 are pending.

- 2. Applicants' IDS, filed on 6/22/05 is acknowledged. However, references 26 and 27 have not been considered because Applicants failed to provide the copy of the references.
- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- 5. Claims 1-17, 20, 22-27 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Andya et al. (WO 97/04801, IDS ref. No.18, of record) in view of Relton et al. (WO 97/45140, of record), Kaisheva et al. (US2003/0113316, of record) and Merck Index (Merck Index, 10th Ed, 1983, p.797-798, of record).

Applicants' arguments filed on 6/22/05 have been fully considered but they are not persuasive. Applicants argue that the Kaisheva reference does not teach the selection of arginine-HCl as being suited for formulating antibodies at high concentration because it does not recognize the problem of increased turbidity (p. 9 of remark filed on 6/22/05).

Application/Control Number: 10/813,483 Page 3

Art Unit: 1644

It is the examiner's position that the reference need not disclose such property of arginine- HCl because it was well known in the art that addition of arginine to prevent agglutination of antibody and depression of antibody activity in the antibody purification (U.S. Pat. No. 5,252, 480, col. 8, lines 35-55, in particular). It is customary to add arginine in such processes and the prevention reflects overall turbidity and stability of formulation. Furthermore, it is also well known in the art the osmotic pressure of blood is 290 mOsm, concentration of 5-200mM of arginine-HCl will provide such pressure and it is within the range of optimization.

Contrary to Applicants' argument that the viscosity needs to be precisely adjusted, it is rather an inherent property of formulation having protein concentration of 80-130 mg/ml and/or salt/buffer concentration of 150mM as evidenced by the inventors' own disclosure (U.S. Pat. 6,875,432, claim 1 in particular).

However, Applicants' argument based on Carpenter reference has not been considered because it has not been supported by the reference. As indicated above (section 2), Applicants failed to provide the reference. Timely submission of reference is required for consideration.

As mentioned above, it is examiner's position that the combinations of teachings (of record) remain obvious.

No claims are allowable.

6. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Art Unit: 1644

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yunsoo Kim whose telephone number is 571-272-3176. The examiner can normally be reached on Monday thru Friday 8:30 - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christina Chan can be reached on 571-272-0841. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Yunsoo Kim
Patent Examiner
Technology Center 1600
August 2, 2005

Patrick J. Nolan, Ph.D.

Primary Examiner

Technology Center 1600